

Application Memo

Nickel in Plating Solution

Industry	Nonferrous metal
Instrument	Automatic potentiometric titrator
Measurement method	Chelatometric titration
Standards	

1. Overview

Quantification of nickel in the plating solution is performed by chelatometric titration with 0.1mol/L EDTA after adding pure water and buffer to the sample. The inflexion point by the color change of the indicator on the titration curve is defined as the endpoint. The concentration of nickel is calculated from the titration volume of EDTA.

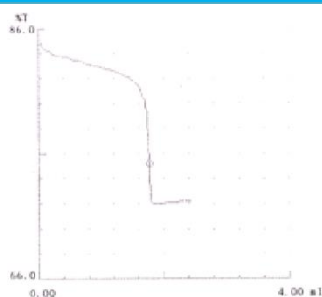
2. Apparatus

Main unit	Automatic potentiometric titrator (preamplifier PTA)
Electrode	Photometric sensor

3. Reagents

Titrant	0.1mol/L EDTA
Additive	Pure water, Buffer (Ammonium chloride, Ammonia water)
Indicator	MX

4. Example



—Titration curve—

—Measurement result—		
Sample	Nickel concentration	
(mL)	(%)	
1	1.0	10.477

Please feel free to contact us for any further information.
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